

TABLE 2.—Data furnished by the Canadian Meteorological Service, May 1936

Station	Altitude above mean sea level, Jan. 1, 1919	Pressure			Temperature of the air						Precipitation		
		Station reduced to mean of 24 hours	Sea level reduced to mean of 24 hours	Depart- ure from normal	Mean max.+ mean min.+2	Depart- ure from normal	Mean maxi- mum	Mean mini- mum	Highest	Lowest	Total	Depart- ure from normal	Total snowfall
	<i>Feet</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>° F.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>
Cape Race, Newfoundland.....	99				39.5		44.9	34.1	59	26	7.09		0.0
Sydney, Cape Breton Island.....	48	29.88	29.93	-0.04	46.7	+1.5	57.2	36.3	75	25	4.38	+0.61	.0
Halifax, Nova Scotia.....	88	29.71	29.81	-1.17	48.7	+3	56.7	40.8	78	33	3.51	-.75	.6
Yarmouth, Nova Scotia.....	65	29.85	29.92	-1.06	48.9	+1.3	56.2	41.7	67	32	1.47	-2.10	.1
Charlottetown, Prince Edward Island.....	38	29.85	29.89	-1.07	47.3	+4	55.8	38.8	70	28	5.53	+2.62	.5
Chatham, New Brunswick.....	28	29.80	29.83	-1.12	47.3	-1.2	57.4	37.2	74	26	3.69	+1.48	2.2
Father Point, Quebec.....	20	29.85	29.87	-1.06	42.5	-1.5	49.4	35.5	64	28	3.71	+1.13	.0
Quebec, Quebec.....	296	29.56	29.89	-1.05	49.8	-1	58.2	41.4	78	29	5.16	+2.08	T
Doucet, Quebec.....	1,236				42.9		54.7	31.2	82	14	5.34		5.1
Ottawa, Ontario.....	236	29.69	29.95	+1.01	55.8	+9	60.6	44.9	89	26	2.38	-.21	.0
Kingston, Ontario.....	285	29.67	29.98	+1.02	53.7	+8	62.7	44.7	78	23	2.04	-.64	.0
Toronto, Ontario.....	379	29.61	30.01	+1.03	58.7	+5.5	70.1	47.3	90	32	.72	-2.32	.0
Cochrane, Ontario.....	930				43.0		53.2	32.8	81	18	3.49		4.0
White River, Ontario.....	1,244	28.67	29.99	+1.04	46.1	+4	57.9	34.4	78	20	2.79	+1.84	T
London, Ontario.....	808				57.5		69.4	45.6	85	31	1.10		.0
Southampton, Ontario.....	656	29.31	30.03	+1.07	53.1	+2.4	64.1	42.1	81	28	.83	-1.61	.0
Parry Sound, Ontario.....	688	29.30	30.00	+1.05	53.1	+2.0	64.1	42.2	82	26	1.92	-1.01	.1
Port Arthur, Ontario.....	644		30.01	+1.05	46.8	+9	57.7	35.9	73	22	2.74	+1.59	.0
Winnipeg, Manitoba.....	760	29.11	29.93	-1.03	57.5	+5.9	71.2	43.8	93	29	.94	-1.34	T
Minneapolis, Manitoba.....	1,690	28.14	29.94	-1.02	55.8	+7.4	68.6	41.9	90	26	.75	-.70	.0
Le Pas, Manitoba.....	860				49.8		61.7	37.8	93	22	1.10		1.7
Qu'Appelle, Saskatchewan.....	2,115	27.64	29.86	-1.08	55.4	+5.6	69.8	41.1	94	24	1.72	+1.07	.0
Moose Jaw, Saskatchewan.....	1,759				58.4		72.0	44.9	97	32	3.31		T
Swift Current, Saskatchewan.....	2,392	27.34	29.82	-1.10	59.8	+9.1	73.9	45.7	97	33	1.21	-.55	.0
Medicine Hat, Alberta.....	2,365	27.39	29.84	-1.05	61.6	+7.5	75.3	48.0	97	38	.83	-.48	.0
Calgary, Alberta.....	3,540	26.26	29.89	+1.01	55.8	+6.8	69.3	42.4	88	28	2.16	+1.39	T
Prince Albert, Saskatchewan.....	1,450	28.38	29.84	-1.01	56.1	+8.5	69.0	43.3	96	30	.67	-.59	.0
Battleford, Saskatchewan.....	1,592	28.16	29.88	-1.04	58.7	+7.7	73.0	44.5	101	32	.45	-1.17	.0
Kamloops, British Columbia.....	1,262	28.62	29.89	.00	62.6	+3.5	76.3	48.9	99	38	1.28	+1.04	.0
Victoria, British Columbia.....	230	29.75	30.00	.00	54.6	+2.1	61.4	47.9	74	42	1.83	+1.20	.0
Estevan Point, British Columbia.....	20				51.5		56.3	46.7	61	38	5.63		.0
Prince Rupert, British Columbia.....	170				47.8		55.4	40.2	71	32	9.08		.0

SEVERE LOCAL STORMS, MAY 1936

(Compiled by Mary O. Souder from reports submitted by Weather Bureau officials)

(The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau)

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Eskridge, Kans., 8 miles north.....	1	2 a. m.			\$1,000	Wind.....	Large barn and several small farm buildings blown down; path 1½ miles long.
Chicago, Ill.....	1	12:14 p. m.		1		Thunderstorm.....	Streets and underpasses flooded; some damage by lightning.
Garfield County, Okla.....	1	2:40-5:10 p. m.	1 ½-3		2,500	Hail.....	Storm path ran through Enid and Waukomis; estimated damage in former city \$2,500; gardens ruined, windows broken, roofs damaged and crops, especially wheat, beaten down; path 15 miles long.
Albert, Okla.....	1	6:45 p. m.	440	3	40,000	Tornado.....	11 persons injured; 4 rural homes completely destroyed loss to crops \$5,000; property damage \$35,000; path 2 miles long.
Knox City, Tex.....	1	10 p. m.	12		25,000	Hail.....	Roofs damaged.
Pleasant Plains, Ill., vicinity of.....	1				10,000	Wind.....	Property damaged.
Detroit, Mich.....	2	12:45 p. m.	2,640	2		Thundersquall and hail.....	In less than 2 hours 0.58 inch of rain was recorded; hail fell in the northwest and northern section of Detroit eastward over lake St. Clair; in Detroit only few windowpanes were damaged, but flower gardens were ruined; heavy hail damage reported along Lake St. Clair, and 3 boys injured by hail. A branch of the storm cut southeastward and struck over the Windsor, Ontario, section, with considerable damage, several roofs blowing off; trees and telephone poles down. 2 men drowned when their boat capsized in the Detroit River near Trenton, Mich.
Sapello (near), N. Mex.....	3	2 p. m.	200	0		Tornado and hail.....	2 houses and 7 outbuildings destroyed; hail accompanied the storm over an area ½ to 2 miles wide and nearly 40 miles long, covering the ground with an average depth of 4 inches.
Chamberino to La Union (near) N. Mex.....	3	7:30 p. m.	2,640		25,000	Hail.....	Man seriously injured; loss to crops; many roofs damaged.
Mescalero, N. Mex.....	3	8 p. m.				do.....	About two-thirds of fruit on trees lost.
Havre, Mont., vicinity of.....	4	5:30-6 p. m.	1-3		500	Wind.....	Barn wrecked.
Plevna, Mont., 2 miles south.....	5	5:30 p. m.	50-100	0	200	Tornado.....	Several small buildings wrecked; path short.
West Bend, Wis., and vicinity.....	6	5:30 a. m.				Thundersquall.....	2.51 inches in 2½ hours recorded; heaviest rainfall in Washington County since the disastrous flood of 1924; heavy damage to roads; roofs of barns blown off and hayrack demolished; many thousands dollars' loss to newly seeded fields; some so severely rutted that replanting will be necessary.
Lincoln County, Wis., southern portion.....	6					Heavy rain, electrical.....	A cloudburst, accompanied by one of the most violent electrical storms in recent years, flooded roads over a wide area causing severe washouts along the Milwaukee road; many communication and power lines out of commission because of lightning. All creeks in the Cornish, Scott and Pine River sections swollen; bridges and culverts flooded and tracks at numerous points washed out; passengers, mail and express were transferred from Wausau to Merrill by automobile and truck. All available section workers required to repair damage and restore service as soon as possible. One side of the South Foster street bridge collapsed under the rush of water which swept over the street to the north for about 2 blocks.
Ransom, Kans.....	7	4 p. m.			200	Wind.....	Small buildings damaged; trees broken off.

SEVERE LOCAL STORMS, MAY 1936—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Garden City to Kalvesta (near), Kans.	7	5 p. m.	100	0	\$1,500	Small tornado	Originated 5 miles southeast of Garden City and ended near Kalvesta. Several funnel clouds seen near point of origin. Chief damage to small buildings near Garden City; path 30 miles long.
Gretna (near), Kans.	7	8 p. m.			1,000	Wind	Damage only to 1 farm.
Ransom, Kans.	7	do.	23	0	800	Small tornado	Several outbuildings, chicken houses and garage blown over; some damage to larger buildings; path 2 miles long.
Atoka, Okla., 7 miles northwest.	8	4:10 p. m.	100	0	\$25,000	Tornado	1 person injured; large country home, built of native rock, completely demolished.
Hanna, Okla.	8	do.		1	40,000	Tornado and rain	29 persons injured, 4 seriously; 15 homes destroyed and 5 damaged. While 2 local physicians worked over the injured, 2 ambulances from Eufaula were floated twice across flooded Mill Creek to remove the seriously injured to a hospital at Henryetta. Farmers, busy removing livestock from barns in the creek bottom, deserted their interests to help the ambulances across.
Ashland, Okla.	8	5 p. m.	440	0	7,000	Tornado	2 persons injured; 12 houses and a church badly damaged.
Bonham, Tex.	8	do.	440	1	15,000	do.	5 persons injured; property damaged.
Grove, Okla.	8	8 p. m.	100	1	15,000	do.	12 persons injured; several homes and outbuildings in the southern portion of town wrecked; path several miles long.
Webbers Falls, Okla.	8	8:15 p. m.	100	0	21,000	do.	100-foot steel bridge wrecked; property damaged; path 8 miles long.
Gore, Okla.	8	P. m.		0		do.	6 persons injured, family of 4 injured by flying glass when their home was demolished; houses and outbuildings along the south edge of town wrecked.
Pursley, Tex.	8			0		do.	No serious damage reported.
Horatio, Ark., 3 miles southeast.	9	2 p. m.	880	2	20,000	do.	20 persons injured; path 10 miles long.
Ozan, Ark., 2 1/4 miles east.	9		150	0	500	do.	Property damaged.
Southern Colorado and northern New Mexico.	9					Blizzard	11 to 24 inches of snow in 12 hours recorded; snowdrifts, from 3 to 5 feet deep; 150 motorists, including 45 passengers in 2 transcontinental buses entrapped on top of Raton Pass; telephone poles and trees down. Trinidad, Colo., and outlying sections isolated.
Marion, S. C., vicinity of Texas, eastern portion.	9				1,500	Thundersquall	Damage confined mostly to roofs and chimneys.
	9			6	975,000	Tornadoes, heavy rain and hail.	Crops ruined, in some areas fruit was stripped from trees; much livestock killed or crippled. At least 20 bridges destroyed and railroad schedules interrupted because of track damage. Twisters struck near Lindale, Corsicana, Bonham, and Omaha. Heaviest rain at Tyler, Tex., 7 inches having fallen by noon; soaking rains reported from Longview, Athens, Marshall, Clarksville, Sulphur Springs, Omaha, Ennis, Paris, and surrounding areas. Heavy hail damaged crops and residences in the vicinity of Waco, where hailstones were described as large as hen eggs. The tornado that struck the Tyler area was first reported at Mount Sylvan about midnight where several small houses and barns were destroyed and trees uprooted; 2 miles east of Lindale a 7-room house was blown 30 feet from its foundation. At Omaha, 2 persons were injured when their new home was demolished and they were blown across the highway and found lying on top of a neighbor's roof. In Athens, Tex., railway traffic was halted on 1 line and many bridges and culverts washed out; streets damaged and heavy losses sustained by farmers in one of the heaviest rains in the history of Henderson County. Traffic was halted on many country roads and activity in the Cayuga oil field area was held up after a large steel bridge between the field and Palestine had been washed out.
Milwaukee, Wis.	10					Electrical	Six places struck by lightning; an electrical transformer put out of commission, disrupting service in its vicinity. Roof of a church and a chimney of a residence struck by lightning.
Dodge City, Kans., 2 miles north.	11	11:42-11:45 a. m.		0		Small tornado	Whirling cloud did not reach the ground; no damage reported.
Madill, Okla.	11	12:05 p. m.	15		5,500	Hail	Loss to crops \$5,000; property damage \$500.
Minneola (near), Kans.	11	5 p. m.		0		Small tornado	Whirling cloud did not reach the ground; no damage reported.
Randolph and Clay Counties, Ark.	12		1 1/2-3		55,000	Wind and hail	Several houses and barns destroyed by wind in Shannon, Randolph County; property damage \$5,000; loss to crops from hail \$50,000.
Essex, Mo., and vicinity	12				75,000	Heavy wind and hail.	Loss to cotton, corn, and gardens by hail, \$50,000; property damage from wind \$25,000.
Silverhill (near), Ala.	13				6,000	Heavy hail	Loss to crops.
Portland, Oreg.	13					Thundersquall	Lightning and wind caused damage to electric wires; trees blown down; traffic interrupted.
Trempealeau County, Wis., northern portion.	16	Midnight	325	0	30,000	Tornado	Destruction confined to 2 areas each from 2 to 3 miles long in Hale and Chimney Rock; 6 barns completely destroyed and 6 others damaged; many small buildings wrecked or damaged.
Omaha, Nebr.	17	3:08-4 p. m.	110		80,000	Wind, hail, and rain.	Storm, extremely severe and one of the worst of its kind ever experienced, extended from the Municipal Airport westward beyond Fort Omaha and northwestward to Florence. The storm area stretched out with less severity as far west as Irvington and to the north of Florence; 60-mile wind and excessive hail and precipitation recorded; several houses blown off their foundations, one totally destroyed. Number of roofs blown off or badly damaged; trees uprooted. No funnel-shaped cloud positively seen. A major feature of the storm was a freshet in the hill district west and north of Fort Omaha, which sent a wall of water through the Fort carrying enormous quantities of hail and debris with it. Parks, streets, basements, first floors of residences, and stores were flooded; 6,000 claims for insurance filed.
Cottonwood, Iowa.	17	5 p. m.			1,000	Electrical	Small railroad station destroyed after being struck by lightning.
Clay County, Kans., northern portion.	17	9:30 p. m.	11		15,000	Heavy hail	Hail thick on ground the following day; wheat, oats, and gardens ruined; path 12 miles long.
Junction City, Kans., vicinity of.	17	10:30 p. m.	13		20,000	do.	Loss to crops, path 4 miles long.
Council Bluffs, Davenport, and Clinton, Iowa.	17					Wind, rain, and hail.	Indian Creek, scene of a \$1,600,000 flood-control project, in Council Bluffs, suffered unestimated damage; 2.28 inches of rain fell. Water carried heavy trees and debris down the channel destroying ironwork placed as a base for the concrete in construction work; all 6 of the temporary dams in the creek were carried away. More than 1,000 panes of glass in 1 greenhouse broken and 275 homes without telephone service. Clinton, Iowa, across the State from Council Bluffs, described this storm as the worst in recent years; in the residential district the street lighting system was out of commission; traffic interrupted and many trees uprooted. In Davenport, rain measured 0.74 inch and no serious damage reported; several minor automobile accidents due to blinding rain; some windows broken and communication service disrupted for an hour.
Jo Davies, Carroll, Ogle, Whiteside, Lee, and McDonough Counties, Ill.	17					Hail	Several thousand dollars damage to windows and roofs; loss to crops.
Milledgeville (near), Ill.	17				5,000	Wind	Property damaged.
LaFayette, Green, and Rock Counties, Wis.	17				85,000	Wind and hail	Several barns and smaller buildings damaged or wrecked by wind to the extent of \$20,000; property damage from hail in LaFayette, Green, Rock, Milwaukee, and Racine Counties \$55,000; crop loss \$10,000.
Dickinson County, Kans., northern portion.	18	1 a. m.	11		1,000	Heavy hail	Path of storm 5 miles long; no details.

SEVERE LOCAL STORMS, MAY 1936—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Hillsborough, N. J.	18	7:30 p. m.		0		Tornado	A farmer observed, from a window in his house, a freak tornado which lifted his barn containing a mowing machine, 2 wagons, several plows, a hay-rack, and 8 chickens, 50 feet in the air and dropped it, as flat as a pancake, 100 yards from its foundation. Other farm buildings were not damaged. An automobile, parked as close as possible to the barn to protect it from the rain, was untouched; 8 fruit trees near the barn uprooted. This tornado streaked directly across the Huff farm and disappeared as suddenly as it came, no other farm in this district being affected.
La Grange and Wappingers Falls, N. Y.	18				\$10,000	Hail	Loss to apple crop.
Syracuse, N. Y.	19	3:31-3:35 p. m.				Wind and hail	Several shade trees and electric transmission lines blown down.
Cohoes, N. Y.	19	4:40 p. m.		0		Tornado	A waterspout, after passing over the Hudson River, took on tornadic character in north Troy. Roofs were torn from 2 sheds of an ice plant, 1 roof being found across the dyke on Green Island, about 500 feet away. Residents who saw the tornado said that low-hanging clouds from the northwest seemed to meet over the south end of the city. Immediately there appeared a funnel-shaped cloud moving fast toward the east.
Germantown, N. Y.	19				10,000	Hail	Loss to fruit crop.
Aulander, N. C.	19			1		Thunderstorm	Lightning struck a steam boiler in a sawmill causing an explosion, instantly killing 1 man and seriously injuring 4 others.
Wagner, S. Dak.	21-22	6 p. m.			500	Wind, electrical, and rain.	Storm started during the evening of the 21st, and after 2.75 inches of rain fell, subsided until 2:30 p. m., of the 22d when it rained again, bringing the amount to 5.50 inches by 6 p. m. The recently completed earth and stone dam at Lake Wagner broke, tearing a 50-foot hole at the deepest part of the lake where the dam is 30 feet thick and 25 feet high. Large barn, several brooder houses and small garage destroyed; much crop loss; many farmers must replant corn as the seeds were washed out or covered with mud. Path narrow.
Stuart, Fla.	21-23					Squalls	Several boats beached and several sunk.
Sioux City, Iowa	22	9 a. m.		1		Thunderstorm	1.76 inches of rain recorded in 2 hours; a workman killed and 7 others injured.
Charles City, Iowa	22	1:20-6:40 p. m.				Thundersquall	Shade trees and poles blown down; minor damage to buildings.
Dodge City, Kans., 6 miles east.	22	2 p. m.		0		Tornado and dust.	Dense dust was seen as the cloud reached the ground; no damage reported.
Turner County, S. Dak.	22	3-4 p. m.	440	0	3,000	Tornado	4 distinct tornado funnels observed about 5 miles south of Parker; several small buildings demolished; trees uprooted; path 10 miles long.
Frankfort, Kans., 5 miles west.	22	4 p. m.	20	0		do.	Number of small buildings blown down; damage not estimated; path 1,320 yards long.
Wambles, S. Dak., vicinity of.	22	do.	13		500	Wind.	Several small buildings and windmills destroyed.
Menno, S. Dak.	22	P. m.			5,350	Wind and rain	Property damaged; loss to livestock.
Sioux Falls, S. Dak., vicinity of.	22	do.				Heavy rain	Some fields inundated necessitating replanting of crops.
Cheyenne, Wyo.	22					Heavy hail	Depth of hail on the ground measured from 1 to 4 inches. In a southerly direction, this storm, extended along a path 2 miles wide into Colorado.
Jennings and Jefferson Counties, Ind.	25	3:30 p. m.			6,000	Wind and hail	Loss to crops \$6,000; property damaged; chickens and young livestock killed.
Orleans, Ind., 3 miles north-east.	25	4:30 p. m.			150,000	do.	Crop loss; trees; trees in 2 large apple orchards stripped.
Pensacola, Fla.	27	3:45 p. m.	17	0	200	Tornado	Storm appeared first as a waterspout over east Pensacola Bay; funnel-shaped cloud, poorly defined and of dark grey color, was attended by light rain and a slight roaring sound; the debris and trees were mostly in a northeast-southwest direction.
Mountain Park, N. Mex.	29	5:30 p. m.	12		1,000	Heavy hail	Loss to cherry and apple crop.
Cowles, N. Mex.	29	6:30 p. m.				do.	Automobile tops damaged. Crops not far enough advanced for loss.
Lamar, Carlton, and Holly, Colo.	30			5	478,500	Excessive rain and flood.	As a result of heavy downpours in the extreme lower Arkansas River Valley, flood stages occurred in the Arkansas River from the vicinity of Lamar to that of Holly; 5 persons were drowned; \$397,500 damage to highways, bridges, etc.; \$20,000 to matured crops; \$50,000 to prospective crops, involving 4,000 acres; and \$11,000 livestock loss.
Socorro, N. Mex.	31	2 p. m.		1		Wind	Roof of porch torn down and piece of metal roofing struck a man in the neck causing instant death.

LATE REPORT APRIL 1936

Cheyenne County, Kans., northwestern portion.	30	3:30 p. m.	5		\$5,000	Heavy hail	Hailstones drifted to depth of 10 feet in places and not melted after several days; too early for much crop loss.
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¹ Miles instead of yards.

